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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic
substances identified in English-, French-, German-,
and Japanese-language basic patents from 2004-present
NEWS 3 NOV 26 MARPAT enhanced with FSORT command
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy
NEWS 5 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 6 DEC 01 ChemPort single article sales feature unavailable
NEWS 7 DEC 12 GBFULL now offers single source for full-text
coverage of complete UK patent families
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS
NEWS 9 JAN 06 The retention policy for unread STNmail messages
will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
Classification Data
NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added
for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced
NEWS 15 FEB 11 WTEXTILES reloaded and enhanced
NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:20:47 ON 16 FEB 2009

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 20:20:59 ON 16 FEB 2009

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 FEB 2009 HIGHEST RN 1106670-14-7

DICTIONARY FILE UPDATES: 15 FEB 2009 HIGHEST RN 1106670-14-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

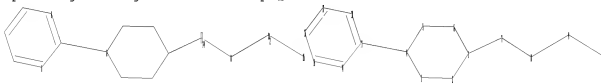
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\105071596.str



chain nodes :

7 8 9 10

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18

chain bonds :

1-7 4-13 7-8 8-9 9-10

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 4-13 5-6 7-8 8-9

exact bonds :

1-7 9-10

normalized bonds :

13-14 13-18 14-15 15-16 16-17 17-18

isolated ring systems :

10507159

02/16/2009

containing 1 : 13 :

Match level :

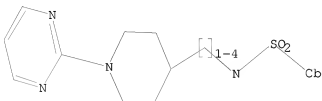
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 20:21:18 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 65 TO ITERATE

100.0% PROCESSED 65 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 817 TO 1783

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 20:21:39 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1109 TO ITERATE

100.0% PROCESSED 1109 ITERATIONS

31 ANSWERS

SEARCH TIME: 00.00.05

L3 31 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.88

186.10

FILE 'CAPLUS' ENTERED AT 20:21:49 ON 16 FEB 2009

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FILE COVERS 1907 - 16 Feb 2009 VOL 150 ISS 8
FILE LAST UPDATED: 15 Feb 2009 (20090215/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

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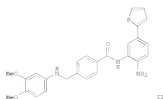
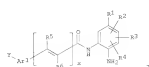
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 3 L3

=> d ibib abs hitstr tot

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS ON STN (Continued)

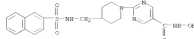


AS Title compd. 1 [Ar1 = (un)substituted-mono or fused poly-cyclic hydrocarbyl optionally containing 1-4 heteroatoms per ring
 11 = (un)substituted-mono-, -bi-, -tri-cyclic-aryl or -heteroaryl; R2, R3, and R4 independently = H, halo, cyano, etc.; R5 and R6 independently = H, alkyl, aryl, etc.; R = 2-10 V = any pharmaceutically acceptable chemical moiety consisting of 1 to 50 atoms with provision(s) and their pharmaceutically acceptable salts, are prepared and disclosed as inhibitors of histone deacetylase. Thus, e.g., 11 was prepared by Suzuki coupling of 2-bromo-2-nitro-phenylamine (preparation given) with 2-thiophenecarboxylic acid followed by carbonylation with 4-[[1,4-dimethoxy-(phenylamino)-methyl]benzoic acid (preparation given) and subsequent reduction. The inhibitory capability of 1 towards antiproliferative activity of histone deacetylase enzyme was evaluated using 3-[[4,5-dimethyl]histone-2-yl]-2,5-diphenylacetone] bromide (MTT) assay and it revealed that certain compounds of the invention had MTT IC 50 values in the range of below 1 up to 20 μ M. 1 as histone deacetylase inhibitors should prove useful in the treatment of diseases such as, but not limited to, cell proliferative disease, prostatic disease, and fungal disease.

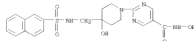
IT 603953-70-4P 603953-75-9P 603953-89-5P
 603954-00-3P 603954-07-0P 603954-08-3P

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS ON STN (Continued)

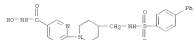
603954-09-2P 603954-10-5P 603954-11-4P
 603954-12-7P 603954-13-8P 603954-14-9P
 603954-15-0P 603954-17-4P 603954-18-5P
 RI: INC (Pharmacological activity); RPI (Synthetic preparation); THO (Therapeutic use); KIOG (Biological study); PEP (Preparation); USES (Uses)
 (Prep. of amide derivs. as inhibitors of histone deacetylase)
 RI 603953-70-4 CAPLUS
 CN 5-Pyr-imidino-carbasamide, N-hydroxy-2-[4-[[[1,2-naphthalenylsulfonyl]amino]methyl]-1-piperidinyl]- (CA INDEX NAME)



RI 603953-75-9 CAPLUS
 CN 5-Pyr-imidino-carbasamide, N-hydroxy-2-[4-hydroxy-4-[[[1,2-naphthalenylsulfonyl]amino]methyl]-1-piperidinyl]- (CA INDEX NAME)



RI 603953-89-5 CAPLUS
 CN 5-Pyr-imidino-carbasamide, 2-[4-[[[1,1'-biphenyl]-4-ylsulfonyl]amino]methyl]-1-piperidinyl]-N-hydroxy- (CA INDEX NAME)

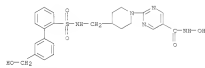


RI 603954-07-0 CAPLUS
 CN 5-Pyr-imidino-carbasamide, N-hydroxy-2-[4-[[[4'-(hydroxymethyl)-1,1'-biphenyl]-2-yl]sulfonyl]amino]methyl]-1-piperidinyl]- (CA INDEX NAME)

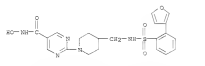
RI 603953-70-4P 603953-75-9P 603953-89-5P
 603954-00-3P 603954-07-0P 603954-08-3P

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS ON STN (Continued)

603954-07-0 CAPLUS
 CN 5-Pyr-imidino-carbasamide, N-hydroxy-2-[4-[[[1,1'-biphenyl]-2-yl]sulfonyl]amino]methyl]-1-piperidinyl]- (CA INDEX NAME)



RI 603954-08-1 CAPLUS
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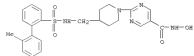
RI 603954-09-2 CAPLUS
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L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS ON STN (Continued)

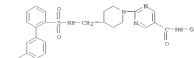
603954-10-5 CAPLUS
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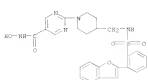
RI 603954-11-6 CAPLUS
 CN 5-Pyr-imidino-carbasamide, N-hydroxy-2-[4-[[[2-methyl-1,1'-biphenyl]-2-yl]sulfonyl]amino]methyl]-1-piperidinyl]- (CA INDEX NAME)



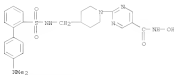
RI 603954-12-7 CAPLUS
 CN 5-Pyr-imidino-carbasamide, N-hydroxy-2-[4-[[[1,1'-biphenyl]-2-yl]sulfonyl]amino]methyl]-1-piperidinyl]- (CA INDEX NAME)



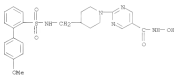
14 ANSWER 3 OF 3 CAPLOS COPYRIGHT 2009 ACS ON STN (Continued)
 RN 603954-13-B CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)



RN 603954-14-B CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)

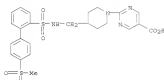


RN 603954-15-B CAPLOS
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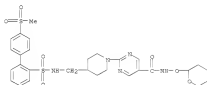


RN 603954-87-B CAPLOS

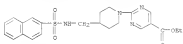
14 ANSWER 3 OF 3 CAPLOS COPYRIGHT 2009 ACS ON STN (Continued)



RN 603954-58-1 CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)



RN 603954-63-B CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)

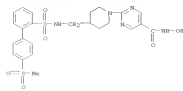


RN 603954-66-1 CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)

Absolute stereochemistry.

seed

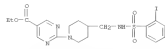
14 ANSWER 3 OF 3 CAPLOS COPYRIGHT 2009 ACS ON STN (Continued)
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)



17 603954-56-9BP, polymer-supported 603954-57-OP
 603954-58-1P 603954-59-8P 603954-60-1P

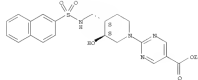
603954-61-2P 603954-62-7P
 R1: RCT (Reactant); STN (Synthetic preparation); PREP (Preparation); RCT (Reactant or reagent)
 [Preparation of sulfonylaminopiperidine deriv. as inhibitors of deacetylase]

RN 603954-56-9 CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)

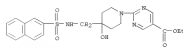


RN 603954-57-0 CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)

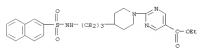
14 ANSWER 3 OF 3 CAPLOS COPYRIGHT 2009 ACS ON STN (Continued)



RN 603954-67-2 CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)



RN 603954-70-1 CAPLOS
 CN 5-Pyrimidin-2-yl-1-methyl-1H-pyridin-3-yl-1-piperidin-1-yl-N-hydroxy- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RECORD.

FORMAT

10507159

02/16/2009

=> logoff

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LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

18.42

204.52

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-2.46

-2.46

STN INTERNATIONAL LOGOFF AT 20:23:40 ON 16 FEB 2009